

ESENTTIA 12C20

Polypropylene Impact Copolymer

Polipropileno del Caribe S.A.

Message:

Characteristics: Control reology Impact Block Copolymer polypropylene; high impact/stiffness balance; tough weld line.
Recommended for: Injection molding of seats, furniture and industrial applications; compounding; housewares; injection molding general purpose applications.

General Information	
Features	Block Copolymer
	Controlled Rheology
	Food Contact Acceptable
	General Purpose
Uses	Compounding
	Furniture
	General Purpose
	Household Goods
	Industrial Applications
	Seats
Agency Ratings	EC 1907/2006 (REACH)
	EC 1935/2004
	EC 2023/2006
	EU 10/2011
	FDA 21 CFR 177.1520(a)(3)(i)(c)(1)
	FDA 21 CFR 177.1520(b)
	FDA 21 CFR 177.1520(c) 3.1a
Forms	Pellets
Processing Method	Compounding
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) ¹ (230°C/2.16 kg)	13	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield, 3.20 mm, Injection Molded)	22.1	MPa	ASTM D638
Tensile Elongation ³ (Yield, 3.20 mm, Injection Molded)	7.5	%	ASTM D638

Flexural Modulus - 1% Secant ⁴ (3.20 mm, Injection Molded)	1030	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	160	J/m	ASTM D256A
Gardner Impact ⁵ (-30°C, 3.20 mm, Injection Molded)	27.1	J	ASTM D5420
NOTE			
1.	Procedure B		
2.	Type I, 50 mm/min		
3.	Type I, 50 mm/min		
4.	Type I, 1.3 mm/min		
5.	Method A		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

